

Patent Abstracts of Japan

PUBLICATION NUMBER : 11186781
PUBLICATION DATE : 09-07-99

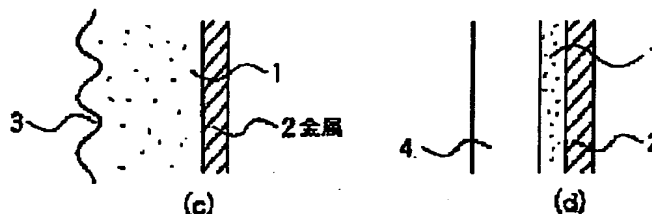
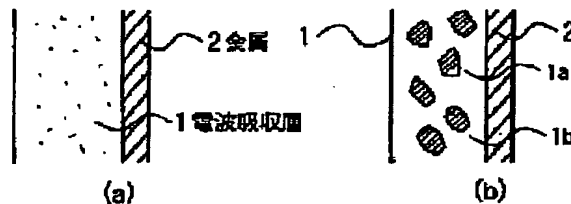
APPLICATION DATE : 25-12-97
APPLICATION NUMBER : 09357560

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INT.CL. : H05K 9/00 B32B 7/02 B32B 15/04
H01F 1/00

TITLE : RADIOWAVE ABSORBENT AND
RADIOWAVE ABSORBING BOX



ABSTRACT : PROBLEM TO BE SOLVED: To improve radiowave absorption characteristics by constituting a radiowave absorbing medium layer of magnetic material, and making the frequency dependency of imaginary part of permeability of the magnetic material have resonance peaks at two or more frequencies.

SOLUTION: A radiowave absorbing medium layer 1 composed of hexagonal ferrite sintered body which is magnetic material and has in-plane anisotropy. A metal layer 2 backs the radio wave absorbing medium layer 1. A matching type radiowave absorbent is constituted of laminate of the layers 1, 2. The layer 1 consists of mixture of fine particles 1a of hexagonal ferrite sintered body and rubber or organic resin 1b, and the rear of the layer 1 is backed with the metal layer 2. Radiowaves are made to enter the absorbent from the surface side of the layer 1, and the frequency dependency of imaginary part of permeability of the hexagonal ferrite sintered body is made to have resonance peaks at two or more frequencies. Thereby the scattering of radiowaves in a radiowave absorbing box can be prevented.

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